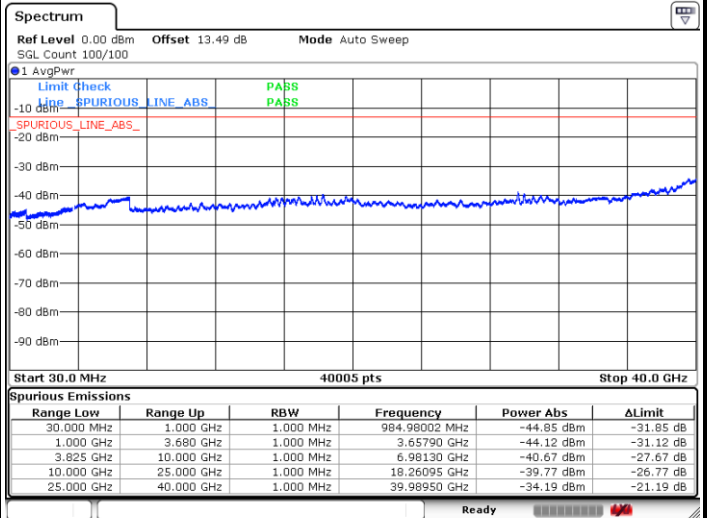
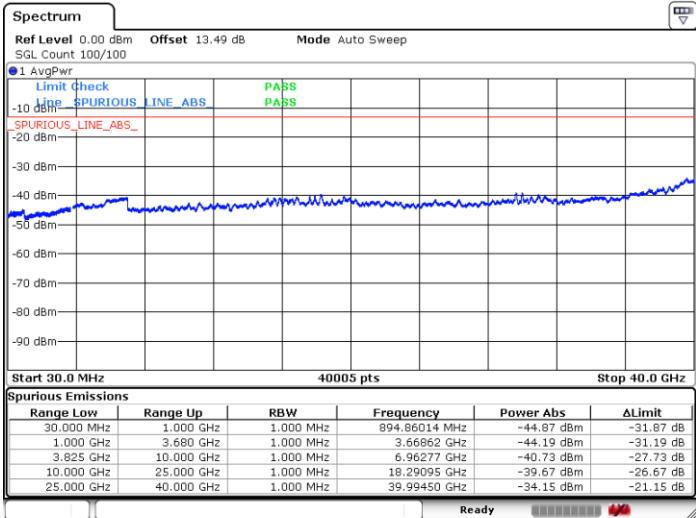




FR1 n78 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

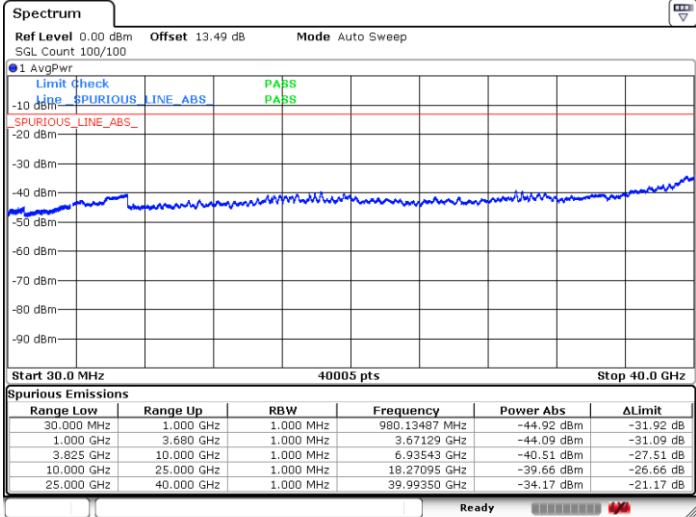
Middle Channel / 1RB1



Date: 5.MAR.2022 19:30:43

Date: 5.MAR.2022 19:37:46

Highest Channel / 1RB1



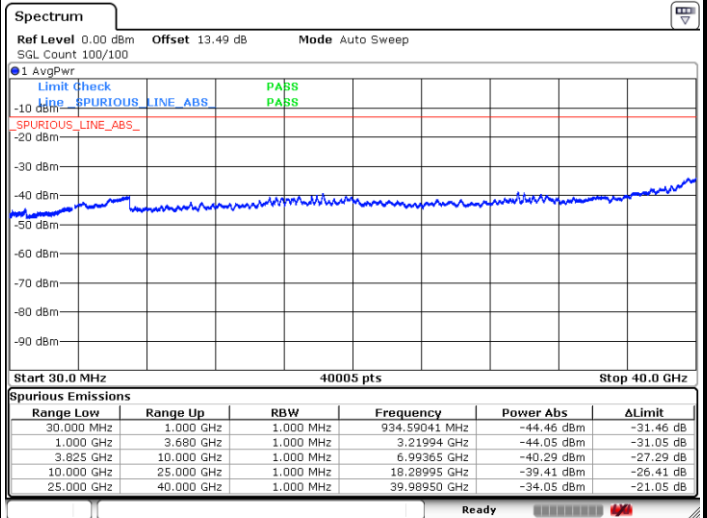
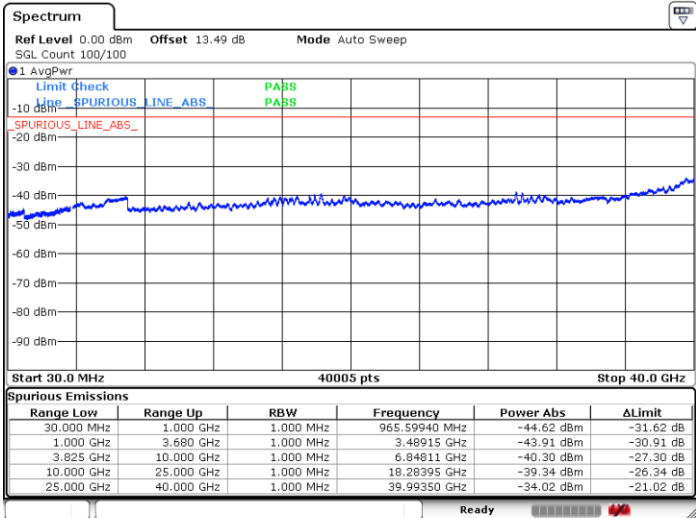
Date: 5.MAR.2022 19:34:32



FR1 n78 / 50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

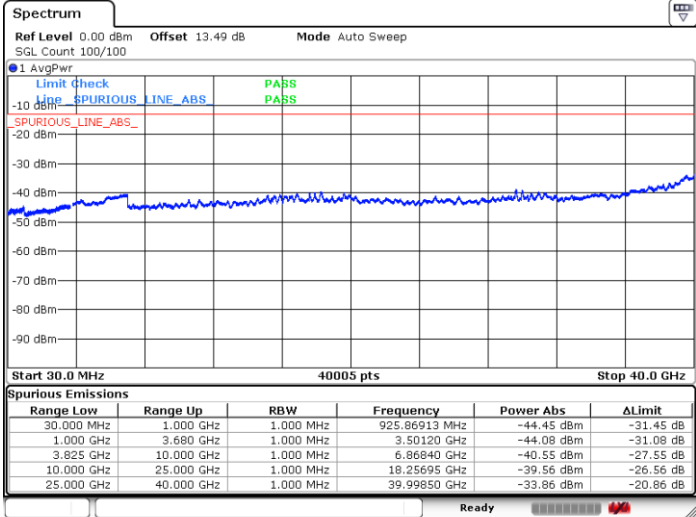
Middle Channel / 1RB1



Date: 5.MAR.2022 19:19:39

Date: 5.MAR.2022 18:59:38

Highest Channel / 1RB1



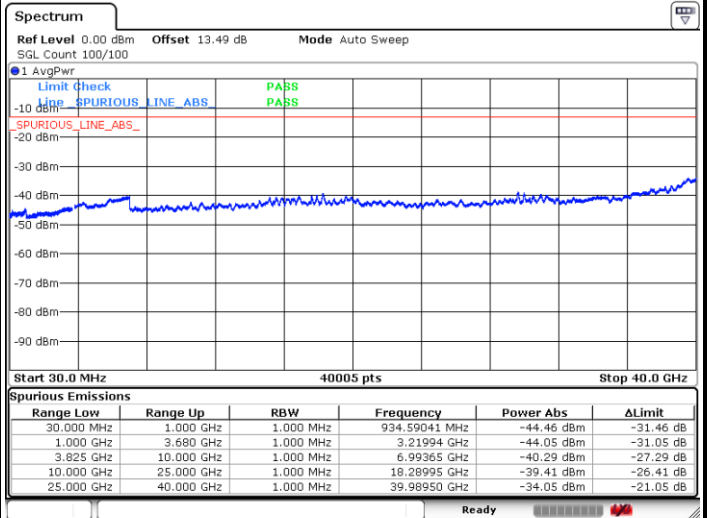
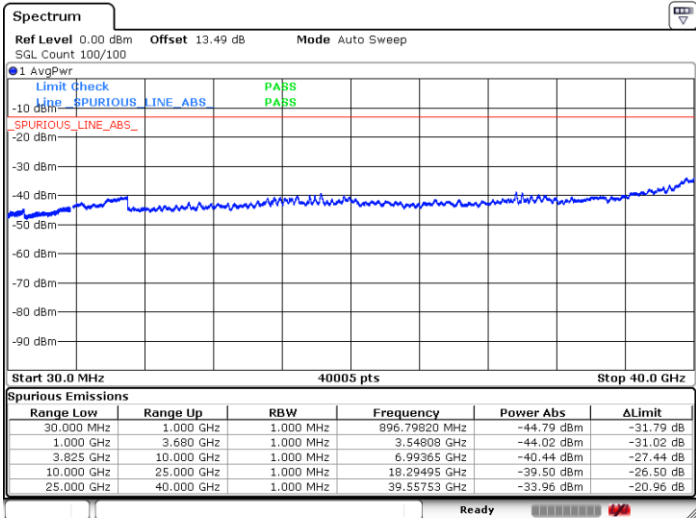
Date: 5.MAR.2022 19:12:48



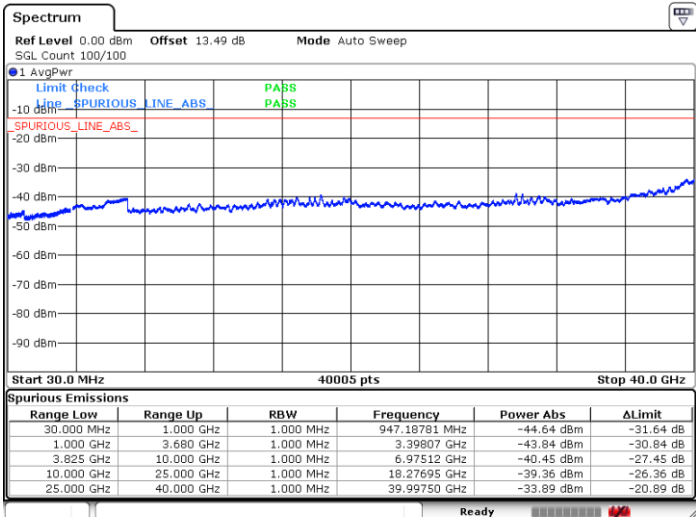
FR1 n78 / 60MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1



Highest Channel / 1RB1

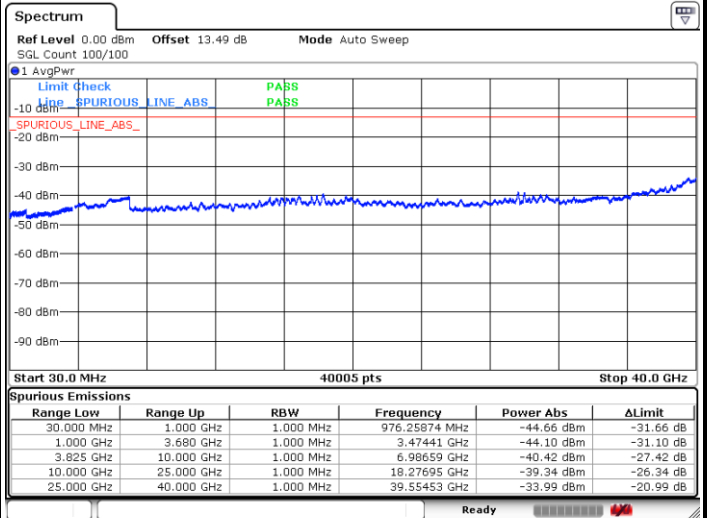
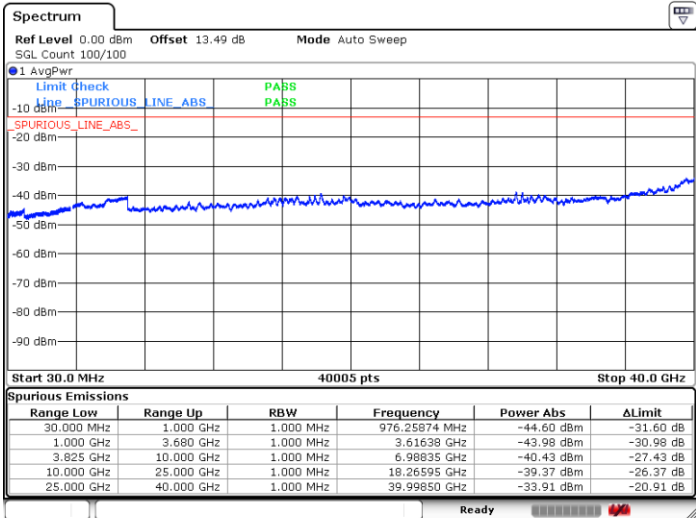




FR1 n78 / 70MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

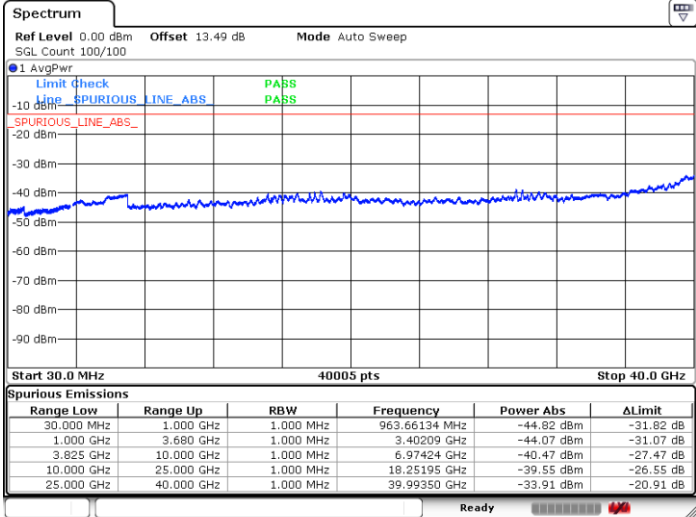
Middle Channel / 1RB1



Date: 5.MAR.2022 18:42:48

Date: 5.MAR.2022 18:39:50

Highest Channel / 1RB1



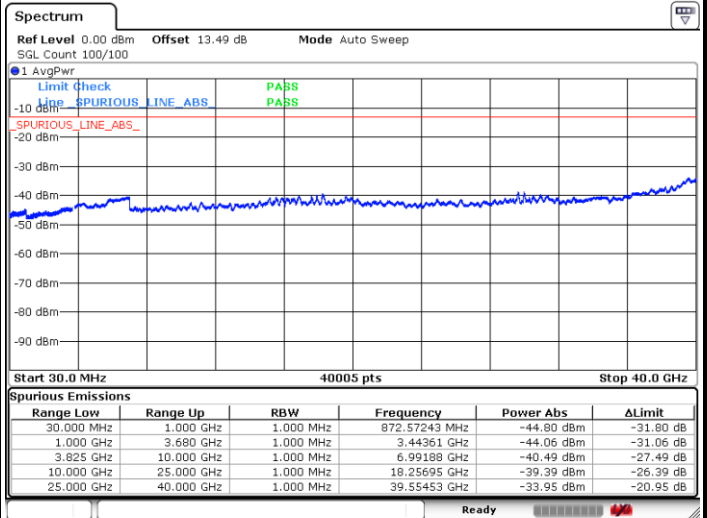
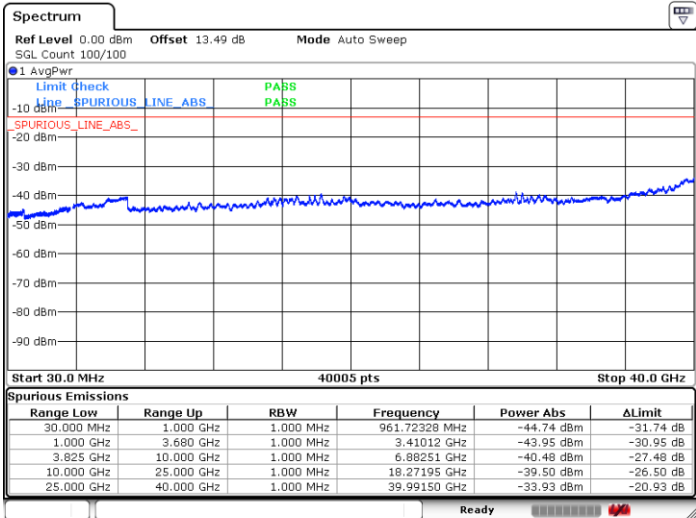
Date: 5.MAR.2022 18:46:17



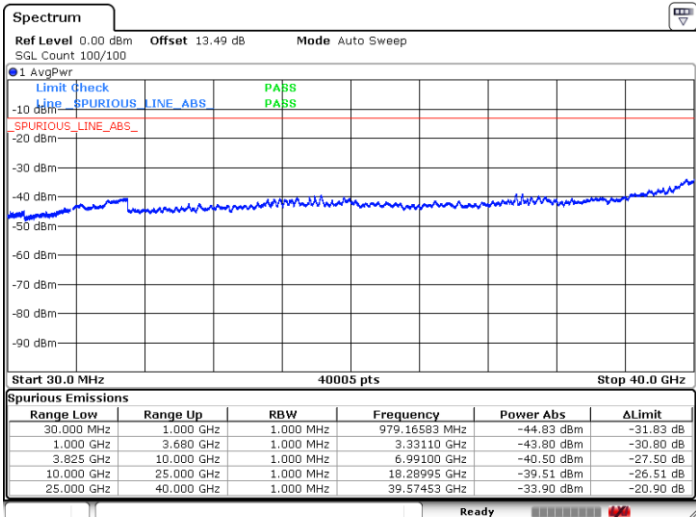
FR1 n78 / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1



Highest Channel / 1RB1

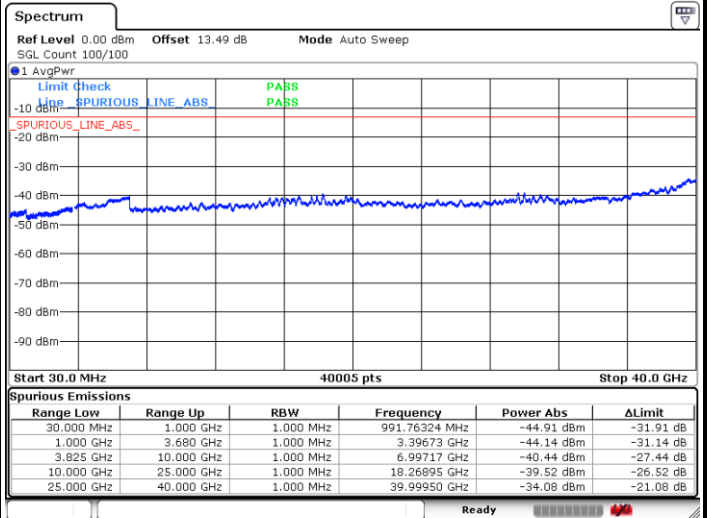
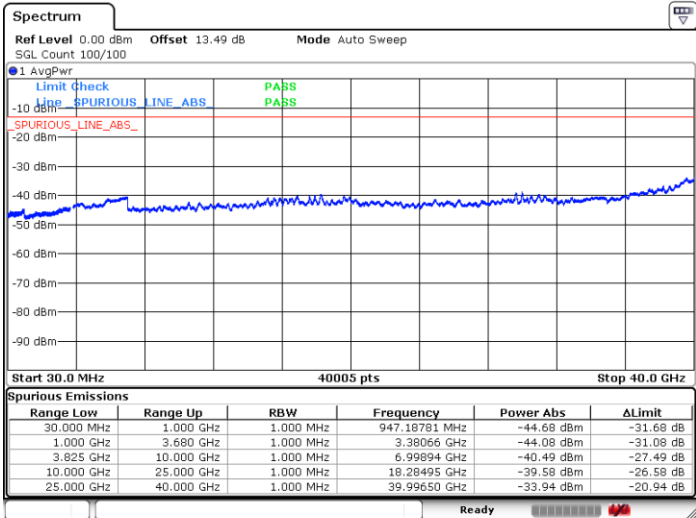




FR1 n78 / 90MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

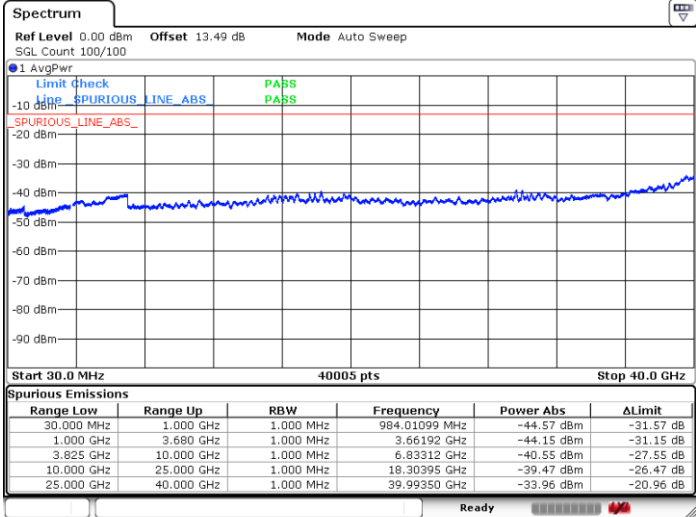
Middle Channel / 1RB1



Date: 5.MAR.2022 18:29:19

Date: 5.MAR.2022 18:21:20

Highest Channel / 1RB1

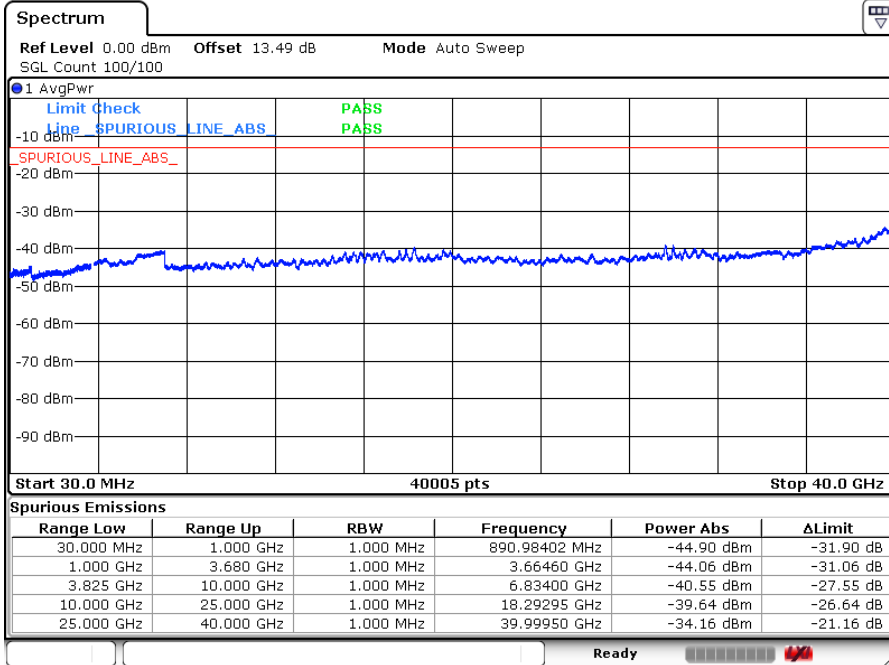


Date: 5.MAR.2022 18:23:34



FR1 n78 / 100MHz / DFT-S OFDM / QPSK

Middle Channel / 1RB1



Date: 5 MAR 2022 18:13:14



Frequency Stability

Test Conditions		FR1 n78 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0023	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.





# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

Test Engineer :	Levi Zhuo	Temperature :	22~23°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna combinations for EN-DC mode, we choose the worst antenna mode to test.

EN-DC_7A_n5A / LTE 20MHz + NR 20MHz / QPSK / ANT1(LTE) & ANT0(NR)								
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-53.70	-13	-40.70	-60.67	1.58	10.70	H
	2480	-57.83	-13	-44.83	-66.08	2.10	12.50	H
	3312	-59.23	-13	-46.23	-68.12	2.86	13.90	H
	1656	-56.97	-13	-43.97	-63.94	1.58	10.70	V
	2480	-54.05	-13	-41.05	-62.30	2.10	12.50	V
	3312	-59.25	-13	-46.25	-68.14	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_2A_n71A / LTE 20MHz + NR 20MHz / QPSK DFT-s-OFDM / ANT1 (LTE) & ANT0 (NR)								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1344	-67.30	-13	-54.30	-69.05	1.02	4.92	H
	2016	-61.03	-13	-48.03	-63.00	1.27	5.39	H
	2688	-59.42	-13	-46.42	-62.35	1.49	6.57	H
	3360	-59.92	-13	-46.92	-63.32	1.73	7.28	H
	1344	-66.02	-13	-53.02	-67.77	1.02	4.92	V
	2016	-60.92	-13	-47.92	-62.89	1.27	5.39	V
	2688	-58.95	-13	-45.95	-61.88	1.49	6.57	V
	3360	-59.84	-13	-46.84	-63.24	1.73	7.28	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_7A_n71A / LTE 20MHz + NR 20MHz / QPSK DFT-s-OFDM / ANT3 (LTE) & ANT0 (NR)								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1344	-66.30	-13	-53.30	-68.05	1.02	4.92	H
	2016	-61.19	-13	-48.19	-63.16	1.27	5.39	H
	2688	-59.18	-13	-46.18	-62.11	1.49	6.57	H
	3360	-59.59	-13	-46.59	-62.99	1.73	7.28	H
	1344	-66.31	-13	-53.31	-68.06	1.02	4.92	V
	2016	-60.34	-13	-47.34	-62.31	1.27	5.39	V
	2688	-58.85	-13	-45.85	-61.78	1.49	6.57	V
	3360	-59.11	-13	-46.11	-62.51	1.73	7.28	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

SA n77 / NR 100MHz / QPSK DFT-s-OFDM / ANT4								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7584	-58.44	-13	-45.44	-68.92	2.76	13.24	H
	11376	-51.25	-13	-38.25	-60.84	3.42	13.01	H
	15168	-40.87	-13	-27.87	-50.48	3.83	13.44	H
	7584	-60.30	-13	-47.30	-70.74	2.80	13.24	V
	11376	-56.12	-13	-43.12	-65.67	3.46	13.01	V
	15168	-52.66	-13	-39.66	-62.22	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

SA n78 / NR 100MHz / QPSK DFT-s-OFDM / ANT4								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7404	-52.24	-13	-39.24	-62.72	2.76	13.24	H
	11100	-44.59	-13	-31.59	-54.18	3.42	13.01	H
	14808	-47.43	-13	-34.43	-57.04	3.83	13.44	H
	7404	-60.18	-13	-47.18	-70.62	2.80	13.24	V
	11100	-48.84	-13	-35.84	-58.39	3.46	13.01	V
	14808	-50.80	-13	-37.80	-60.36	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_7A_n78A / LTE 20MHz + NR 100MHz / QPSK DFT-s-OFDM / ANT0 (LTE) & ANT4 (NR)								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7416	-55.66	-13	-42.66	-66.14	2.76	13.24	H
	11112	-44.72	-13	-31.72	-54.31	3.42	13.01	H
	14820	-42.04	-13	-29.04	-51.65	3.83	13.44	H
	7416	-58.17	-13	-45.17	-68.61	2.80	13.24	V
	11112	-51.01	-13	-38.01	-60.56	3.46	13.01	V
	14820	-45.38	-13	-32.38	-54.94	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_38A_n78A / LTE 20MHz + NR 100MHz / QPSK DFT-s-OFDM / ANT0 (LTE) & ANT4 (NR)								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7416	-55.81	-13	-42.81	-66.29	2.76	13.24	H
	11112	-37.87	-13	-24.87	-47.46	3.42	13.01	H
	14820	-41.17	-13	-28.17	-50.78	3.83	13.44	H
	7416	-59.99	-13	-46.99	-70.43	2.80	13.24	V
	11112	-45.77	-13	-32.77	-55.32	3.46	13.01	V
	14820	-49.09	-13	-36.09	-58.65	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_41A_n78A / LTE 20MHz + NR 100MHz / QPSK DFT-s-OFDM / ANT0 (LTE) & ANT4 (NR)								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7404	-56.95	-13	-43.95	-67.43	2.76	13.24	H
	11100	-50.89	-13	-37.89	-60.48	3.42	13.01	H
	14808	-51.32	-13	-38.32	-60.93	3.83	13.44	H
	7404	-60.61	-13	-47.61	-71.05	2.80	13.24	V
	11100	-55.95	-13	-42.95	-65.50	3.46	13.01	V
	14808	-52.88	-13	-39.88	-62.44	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.